

Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
Contact Capacity:
MI Rating 10A at 250VAC.
10A at 30VDC.
MIH Rating 16A at 240VAC.
16A at 24VDC.
Rated Carrying Current MI: 10A & MIH: 16A.
Max. Allowable Current MI: 10A & MIH: 16A.
Max. Allowable Voltage AC 250V, DC 110V.
Max. Allowable Power Force MI: 2,500 VA, 300W.
MIH: 3,800VA, 450W.
Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPST & SPDT.

Performance (at Initial Value)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time..... 15 mSec. Max. (D Type)
20 mSec. Max. (L Type)
- Release Time 8 mSec. Max.
- Dielectric Strength :
Between Coil & Contact 5,000VAC at 50/60 Hz
for one minute.
Between Contacts 1,000VAC at 50/60 Hz
for one minute.
- Surge Resistance 10,000V (between Coil
& Contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at
500VDC.
- Max. On/Off Switching :
Electrical 30 Ops per Minute.
Mechanical 300 Ops per Minute.
- Temperature Range..... -30~55°C

Main Feature

1. MI 1 Pole Series Relay covers switching capacity from 10A to 16A to comply with user's wide selection. (MI 1 Pole is 10A & MIH 1 Pole is 16A)
2. Insulation distance of 8 mm Min. is designed. The employment of insulation material is meeting to JIS insulation class E. Dielectric Strength 5,000V Min. and Surge Resistance of 10,000V Min. can be reached.
3. The employment of suitable plastic materials is applied under high temperature condition and various chemical solutions.
4. Complete protective construction is designed from dust and soldering flux. If required, plastic sealed type is available for washing procedure.

Application

Cooking Appliances, Air Conditioner, Audio Equipment, Domestic Appliances, Controlling Equivalent, etc.

- Humidity Range45~85% RH.
- Coil Temperature Rise45°C Max. (D Type)
35°C Max. (L Type)
- Vibration :
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm.
Error Operation10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
Endurance1,000 m/S² Min.
Error Operation100 m/S² Min.
- Life Expectancy :
Mechanical10⁷ Operations at No
Load condition.
Electrical10⁵ Operations at Rated
Resistive Load. (MI)
10⁵ Operation at Rated
Resistive Load. (MIH)
- Weight.....About 12.2 g.

Accessories & Sockets

MI-1P

- PI-35BE.....See Page 137
- PI-35BE/3.....See Page 137
- PI-35-0See Page 138

Safety Standard & Its File Number

- UL , CSA , TÜV , VDE
- FIMKO (MI – L/LM Type)FI 11385
- SEMKO (MI- L/LM Type).....9834069/01

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
MI/MIH D/DM	3	240	12.5	Abt. 0.72	80% Maximum	5% Minimum	130%
	5	138.9	36				
	6	120	50				
	9	78.3	115				
	12	60	200				
	24	29.3	820				
MI/MIH L/LM	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	130%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	10.9	4,400				

Ordering Information

MI - SS - 1 12 D M

Contact Form:

Nil: One Form C

M: One Form A

B: One Form B

Coil Type:

D: Standard DC Coil

L: High Sensitivity DC Coil

Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V

Number of Pole: 1: One Pole

Type of Sealing: SS: Flow Solder Type

SH: Plastic Sealed Type

Type:

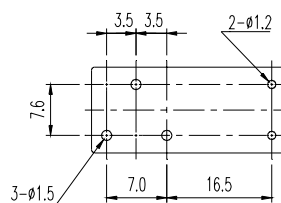
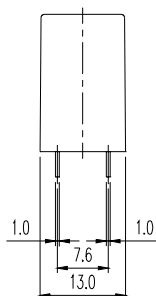
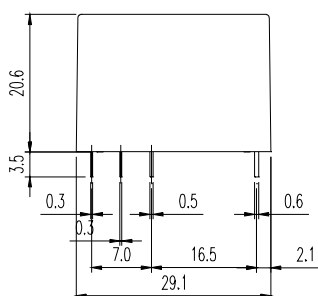
MI
MIH

Classification

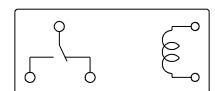
Model	MI / MIH					
	Standard DC Coil			High Sensitivity DC Coil		
Contact Form	1C	1A	1B	1C	1A	1B
Flow Solder Type	MI(H)-SS-1□□D	MI(H)-SS-1□□DM	MI(H)-SS-1□□DB	MI(H)-SS-1□□L	MI(H)-SS-1□□LM	MI(H)-SS-1□□LB
Plastic Sealed Type	MI(H)-SH-1□□D	MI(H)-SH-1□□DM	MI(H)-SH-1□□DB	MI(H)-SH-1□□L	MI(H)-SH-1□□LM	MI(H)-SH-1□□LB

Dimension

MI-SS/SH
MIH-SS/SH



BOTTOM VIEW



BOTTOM VIEW